

Converting Colors

$Y_{xy}(21.6139, 0.3164, 0.2526)$

Have a look what the booklet for
Yxy(21.6139, 0.3164, 0.2526)
contains.

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Color

Yxy(21.6589, 0.3163, 0.2527)

Conversions

Conversions Part 1

Format	Color
Hex	A26FA2
RGB	162, 111, 162
RGB Percent	64%, 44%, 64%
CMY	0.3646, 0.5647, 0.3646
CMYK	0.00, 0.31, 0.00, 0.36
HSL	300°, 22%, 54%
HSV	300°, 31%, 64%
XYZ	27.1101, 21.6589, 36.9410
YIQ	132.0630, 14.0250, 26.6730

Conversions

Conversions Part 2

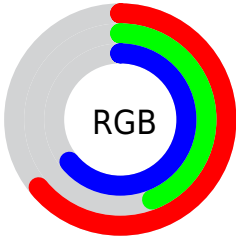
Format	Color
R _{YB}	162, 111, 162
Decimal	10645410
CIE _{Lab}	53.66, 28.86, -19.38
CIE _{LCh}	54, 34.762, 326.113
Yxy	21.6589, 0.3163, 0.2527
Android (android.graphics.Color)	4288835490 (0xFFA26FA2)
YUV	132.0630, 14.7589, 26.2547
Hunter-Lab	46.5391, 22.5367, -14.4848

Details

The Yxy color **21.6589, 0.3163, 0.2527** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **30.3740, 0.3085, 0.4193**, and the grayscale version is **23.0411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.1096, 0.3165, 0.2676**, and **7.8222, 0.3156, 0.2277** is the 20% darker color. If you saturate the color by 10%, you get **18.4393, 0.3174, 0.2295**, and if you desaturate by 10%, it is **25.5217, 0.3152, 0.2770**.

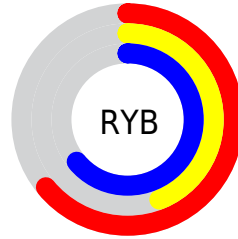
Distribution



Red (64%)

Green (44%)

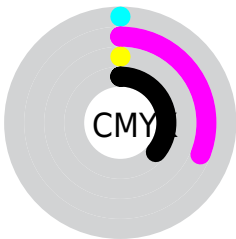
Blue (64%)



Red (64%)

Yellow (44%)

Blue (64%)

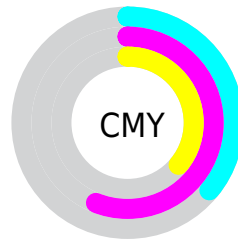


Cyan (0%)

Magenta (31%)

Yellow (0%)

Black (36%)



Cyan (36%)


Magenta (56%)


Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.6589, 0.3163, 0.2527 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 21.6589, 0.3163, 0.2527 by changing the saturation by 10% instead.


 21.6589, 0.3163,
0.2527


 21.6589, 0.3163,
0.2527


260.7598, 0.3152,
0.2932


 13.6065, 0.3162,
0.2418


 46.1816, 0.3161,
0.2680


 7.8475, 0.3159,
0.2274


 63.4206, 0.3160,
0.2736

 3.9975, 0.3149,
0.2075


 84.4907, 0.3159,
0.2782

 1.6722, 0.3122,
0.1784

 109.7761, 0.3157,
0.2821

 0.4055, 0.3115,
0.1133

139.6614, 0.3156,
0.2855

 0.0000, 0.0599,
0.0000

174.5308, 0.3155,

 0.0000, 0.0000,

0.2884

0.0000

214.7688, 0.3153,
0.2910

■ 21.6589, 0.3163,
0.2527

■ 21.6589, 0.3163,
0.2527

■ 18.4393, 0.3174,
0.2295

■ 25.5217, 0.3152,
0.2770

■ 15.8253, 0.3184,
0.2083

■ 30.0568, 0.3140,
0.3014

■ 13.7799, 0.3193,
0.1899


■ 35.2953, 0.3129,
0.3255

■ 12.2609, 0.3200,
0.1750


■ 41.2651, 0.3118,
0.3486

■ 11.2200, 0.3205,
0.1643


■ 47.9930, 0.3108,
0.3703


 10.6005, 0.3208,
0.1576

 55.5042, 0.3098,
0.3905

 10.2923, 0.3209,
0.1542

 63.8227, 0.3090,
0.4092

 72.9716, 0.3082,
0.4261

 81.8129, 0.3075,
0.4399

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



21.6589, 0.2577, 0.2336



21.6589, 0.3163, 0.2527



21.6589, 0.3798, 0.2879

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



21.6589, 0.3163, 0.2527



21.6589, 0.4115, 0.4229



21.6589, 0.2108, 0.3083

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



21.6589, 0.3163, 0.2527



30.3740, 0.3085, 0.4193

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



21.6589, 0.2451, 0.3726



21.6589, 0.3163, 0.2527



21.6589, 0.3605, 0.4437

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



21.6589, 0.3163, 0.2527



21.6589, 0.4370, 0.3811



21.6589, 0.2994, 0.4266



21.6589, 0.2018, 0.2594

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



21.6589, 0.3163, 0.2527



21.6589, 0.4139, 0.3173



21.6589, 0.2994, 0.4266



21.6589, 0.2195, 0.3289

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



21.6599, 0.3163, 0.2527



56.6448, 0.3137, 0.3071



17.3557, 0.2582, 0.2388



12.4376, 0.3139, 0.3037



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.6599, 0.3163, 0.2527



34.9732, 0.3171, 0.2358



20.8427, 0.3477, 0.2891



7.2022, 0.3138, 0.3068



8.1064, 0.3209, 0.1542



0.1703, 0.3209, 0.1542

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



21.6599, 0.3163, 0.2527



34.9732, 0.3171, 0.2358



31.0184, 0.2880, 0.3729



7.2022, 0.3138, 0.3068



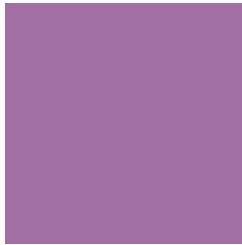
8.1064, 0.3209, 0.1542



0.1703, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 21.6589, 0.3163, 0.2527 looks on a white background.

Color Contrast Check

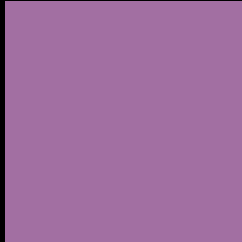
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 21.6589, 0.3163, 0.2527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

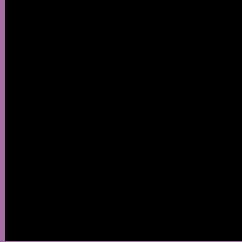
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.6589, 0.3163, 0.2527

Background



This preview shows how black text looks on a background with the Yxy color 21.6589, 0.3163, 0.2527.



This preview shows how white text looks on a background with the Yxy color 21.6589, 0.3163, 0.2527.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

21.6589, 0.3163, 0.2527

Protanopia

21.8796, 0.2555, 0.2507

Deuteranopia

21.7849, 0.2779, 0.2730



Tritanopia

21.6573, 0.3517, 0.3145

Trichromacy



Original Color

21.6589, 0.3163, 0.2527

Protanomaly

21.4826, 0.2744, 0.2497

Deuteranomaly

21.6161, 0.2905, 0.2653

Tritanomaly

21.5258, 0.3385, 0.2896

Monochromacy



Original Color

21.6589, 0.3163, 0.2527

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.2381, 0.3142, 0.2974

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6589, 0.3163, 0.2527 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(162, 111, 162)` looks like.

```
.text, #text, p{  
    color:rgb(162, 111, 162)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(162, 111, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 111, 162) }
```

Border

The CSS property to change the border of an element to Yxy 21.6589, 0.3163, 0.2527 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(162, 111, 162) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(162, 111, 162) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(162, 111, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 111, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 111, 162);  
box-shadow:4px 4px 4px 4px rgb(162, 111,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6589, 0.3163, 0.2527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 111, 162) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(162,  
111, 162) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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